亞洲大學 醫學檢驗暨生物技術學系 雙主修課程規劃表

Double Major Program Curriculum Plan for Department of Medical Laboratory Science and Biotechnology, Asia University

應修總學分:106 學分

校課程委員會通過次別:1133

Total Credits Required: 106 Approved in the 1133 University Curriculum Committee meeting

類別 Category	科目名稱 Course Title	英文名稱 English Title	修課 年級 Year of the Program	修課 學期 Semester	學分數 Credits	每週上課時數 Hours per week			
						講授 Lecture	實作 (驗) Practice (laborato ry)		備註 Remarks
(4)College Core Courses	生物統計學	Biostatistics	- 1 st	下 2 nd	2	2	0	0	
	生理學	Physiology	≡ 3 rd	上 1 st	2	2	0	0	
	實驗室安全	Laboratory Safety	- 1 st	上 1 st	1	1	0	0	
(76) Departmental Core Courses	普通化學	General Chemistry	- 1 st	上 1st	2	2	0	0	
	普通化學實驗	General Chemistry Laboratory	- 1 st	上 1 st	1	0	3	0	
	普通生物學 (一)	General Biology (I)	- Ist	上18	2	2	0	0	
	普通生物學實驗	General Biology Laboratory	- 1 ^s	上 1 st	1	0	3	0	
	有機化學	Organic Chemistry	- 1 st	下 2 nd	2	2	0	0	
	有機化學實驗	Organic Chemistry Laboratory	- 1 st	下 2 nd	1	0	3	0	
	組織學	Histology	— 1 st	下 2 nd	1	1	0	0	
	組織學實驗	Histology Laboratory	— 1 st	下 2 nd	1	0	3	0	
	寄生蟲學	Parasitology	— 1 st	下 2 nd	2	2	0	0	
	寄生蟲學實驗	Parasitology Laboratory	- 1 ^s	下 2 nd	1	0	3	0	
	生物技術概論	Introduction Of Biotechnology	1 st	下2 nd	1	1	0	0	
	解剖學	Human Anatomy	= 2 nd	上 1 ^s	1	1	0	0	
	解剖學實驗	Human Anatomy Laboratory	= 2 nd	上 1 st	1	0	3	0	
	分析化學與儀器分析	Analytical Chemistry & Instrumental Analysis	_ 2 nd	上 1 st	2	2	0	0	
	醫學遺傳學	Medical Genetics	= 2 nd	上 1s	2	2	0	0	

每週上課時數 修課 Hours per week 年級 修課 類別 科目名稱 英文名稱 學分數 實作 備註 學期 Category Year of Course Title **English Title** Credits (驗) 講授 Remarks the 實習 Practice Lecture Intern Program Claborato ry) 生物化學(一) Biochemistry (I) - 2nd £ 1st 2 2 0 0 生物化學實驗 **Biochemistry Laboratory** 二 2nd 上 1st 1 0 3 0 微生物學 Microbiology _ 2nd 上 1st 2 2 0 0 分子生物學 Molecular Biology $=2^{nd}$ 上 1st 2 2 0 0 Molecular and Cell Biology 分子與細胞生物學實驗 _ 2nd 上 1st 1 0 3 0 Laboratory 細胞生物學 Cell Biology 二 2nd 上 1st 2 2 0 0 Diagnostic Cytology and 細胞診斷及病理切片技術 $=2^{nd}$ 下 2nd 1 1 0 Pathologic Section Techniques 0 Diagnostic Cytology and 細胞診斷及病理切片技術實驗 Pathologic Section Techniques 二 2nd 下 2nd 1 n 3 0 Experiment 免疫學 Immunology _ 2nd F 2nd 2 2 0 0 Microbiology and Immunology 微生物及免疫學實驗 _ 2nd 下 2nd 0 3 0 Laboratory 生物化學 (二) Biochemistry (II) 二 2nd 下 2nd 2 2 0 0 血液學 Hematology _ 2nd 下 2nd 2 2 0 0 血液學實驗 下 2nd Hematology Laboratory = 2nd 1 0 3 0 血庫學 **Blood Banking** 二 2nd F 2nd 2 2 0 0 血庫學實驗 **Blood Banking Laboratory** _ 2nd 下 2nd 1 0 3 Λ 臨床血液學 Clinical Hematology 三 3㎡ 上 1st 2 2 0 0 Clinical Hematology 臨床血液學實驗 $\equiv 3^{\text{rd}}$ 上 1st 1 n 3 0 Laboratory 臨床生化學 Clinical Biochemistry 三 3rd 上 1st 3 3 0 0 Clinical Biochemistry 臨床生化學實驗 $\equiv 3^{rd}$ 上 1st 1 0 3 0 Laboratory Clinical Serology and 臨床血清免疫學 **=** 3rd 上 1st 2 2 0 Immunology 0 Clinical Serology and 臨床血清免疫學實驗 $\equiv 3^{rd}$ 上 1st 1 0 3 0 Immunology Laboratory 臨床鏡檢學 Clinical Microscopy $\equiv 3^{rd}$ 上 1st 2 2 0 0 Clinical Microscopy 臨床鏡檢學實驗 $\equiv 3^{rd}$ 上 1st 1 0 3 0 Laboratory Seminar in Laboratory 醫技專題討論(一) $=3^{rd}$ 上 1st 1 1 0 0 Science-I 病理學 Pathology 三 3㎡ 下 2nd 3 3 0 0 臨床微生物學 Clinical Microbiology 三 3rd F 2nd 3 3 0 0 Clinical Microbiology 臨床微生物學實驗 = 3rd 下 2nd

類別 Category	科目名稱 / Course Title	英文名稱 English Title	修課 年級 Year of the Program	修課 學期 Semester	學分數 Credits	毎週上課時數 Hours per week			-
						講授 Lecture	實作 (驗) Practice (laborato ry)	實習 Intern	備註 Remarks
	臨床病毒學	Clinical Virology	≡ 3 rd	下 2 nd	3	3	0	0	
	臨床生理學	Clinical Physiology	= 3 rd	下 2 nd	3	3	0	0	
	醫學分子檢驗學	Molecular Diagnosis in Medicine	≡ 3 rd	下 2 nd	2	2	0	0	
	醫技專題討論(二)	Seminar in Laboratory Science-II	≡ 3 rd	下 2 nd	I	1	0	0	
	臨床生理學實驗	Physiology Laboratory	= 3 rd	下 2 nd	1	0	3	0	
	*臨床鏡檢學實習	Clinical Microscopy Practice	四 4 th	上、 下 1 st , 2 nd	3	0	0	詳見備註 See remarks for details	實務型課程,需實習 120 小時;根據考選部規範,報考醫事檢驗師者,需完成修讀此課程。欲修讀者,本系另有修讀規範。 This practical course requires 120 hours of internship. According to the Ministry of Examination standards, those who apply for the Medical Technologist examination must complete this course. The department has separate study regulations for those who wish to take the course.
clinical medical examin	*臨床生理學實習	Practice in clinical physiology practice	14	上、 下 1 ^s ,2 nd	2	0	0	详見備註 See remarks for details	實務型課程,需實習 80 小時;根據考選部規範,報考醫事檢驗師者,需完成修讀此課程。欲修讀者,本系另有修讀規範。 This practical course requires 80 hours of internship. According to the Ministry of Examination standards, those who apply for the Medical Technologist examination must complete this course. The department has separate study regulations for those who wish to take the
medical examination course(2) 臨床醫檢學程26學分	*臨床生化學實習	Clinical Biochemistry Practice	四 4th	上、 下 st, 2nd	3	0	0	arks for details	course. 實務型課程,需實習 120 小時;根據考選部規範,報考醫事檢驗部者,需完成修讀此課程。欲修讀者,本系另有修讀規範。 This practical course requires 120 hours of internship. According to the Ministry of Examination standards, those who apply for the Medical Technologist examination must complete this course. The department has separate study regulations for those who wish to take the course.
	*臨床血液學實習	Clinical Hematology Practice	四 4 th	上、 下 ⁵¹ , 2 nd	2	0	0	詳見備註 See remarks for details	はなら the course. 青務型課程・富實習 80 小時;根據考選部規範,報考醫事檢驗師者・富完成修讀此課程。故修讀者,本系另有修讀規範。 This practical course requires 80 hours of internship. According to the Ministry of Examination standards, those who apply for the Medical Technologist examination must complete this course. The department has separate study regulations for those who wish to take the course.

每週上課時數 修課 Hours per week 類別 年級 修課 科目名稱 蓝文名籍 學分數 實作 備註 Category Year of 學期 Course Title **English Title** Credits (驗) 講授 Remarks the Semester 實習 Practice Lecture Intern Program (laborato ry) 實務型課程,需實習160 小 時;根據考選部規範,報考醫 詳 事檢驗師者,需完成修讀此課 見備註 程。欲修讀者,本系另有修讀 規節。 This practical course requires See 上、 160 hours of internship. *臨床微生物學實習 Clinical Microbiology Practice 四 4th 下 remarks for details 4 0 According to the Ministry of 0 1st, 2nd Examination standards, those who apply for the Medical Technologist examination must complete this course. The department has separate study regulations for those who wish to take the course. 實務型課程,需實習80 小 時;根據考選部規範,報考醫 詳 事檢驗師者,需完成修讀此課 見備註 程。欲修讀者,本系另有修讀 規範。 This practical course requires 80 See 上、 Clinical Serology & hours of internship. According to *臨床血清免疫學實習 四 4th 下 2 0 0 remarks the Ministry of Examination Immunology Practice 1st, 2nd standards, those who apply for the Medical Technologist for details examination must complete this course. The department has separate study regulations for those who wish to take the course. 實務型課程,需實習40 小 時;根據考選部規範,報考醫 詳 事檢驗師者,需完成修讀此課 見 程。欲修讀者,本系另有修讀 備註 規節。 This practical course requires 40 See Ŀ, hours of internship. According to *臨床病毒學實習 Clinical Virology Practice 四 4th F remarks the Ministry of Examination 1 n 0 1st, 2nd standards, those who apply for the Medical Technologist for details examination must complete this course. The department has separate study regulations for those who wish to take the course. 實務型課程,需實習40 小 時;根據考選部規範,報考醫 詳 事檢驗師者,需完成修讀此課 見備註 程。欲修讀者,本系另有修讀 規範。 This practical course requires 40 See 上、 Molecular Diagnosis in hours of internship. According to *醫學分子檢驗實習 四 4th 下 1 0 remarks the Ministry of Examination Medicine andPractice 0 1st, 2ndstandards, those who apply for the Medical Technologist for details examination must complete this course. The department has separate study regulations for those who wish to take the course. 實務型課程, 需實習 40 小 時:根據考選部規範,報考醫 詳 事檢驗師者,需完成修讀此課 程。欲修讀者,本系另有修讀 見 備註 規範。 This practical course requires 40 See 上、 hours of internship. According to *血庫學實習 Blood Banking Practice 四 4th 下 1 0 remarks the Ministry of Examination 0 1st, 2nd standards, those who apply for the Medical Technologist for examination must complete this r details course. The department has separate study regulations for those who wish to take the course.

類 別	科目名稱 Course Title	英文名稱 English Title	修課 年級 Year of the Program	修課 學期 Semester	學分數 Credits	每週上課時數 Hours per week			
^{契見方]} Category						講授 Lecture	實作 (驗) Practice (laborato ry)	實習 Intern	備註 Remarks
	*病理學實習(含病理切片與細胞診斷)	Pathology Practice including Histopathologic& Cytology Practice	छ 4 th	上、 下 1 st , 2 nd	1	0	0	詳見備註 See remarks for details	實務型課程,當實習 40 小時;根據考選部規範,報考醫事檢驗師者,需完成修讀此課程。欲修讀者,本系另有修讀規範。 This practical course requires 40 hours of internship. According to the Ministry of Examination standards, those who apply for the Medical Technologist examination must complete this course. The department has separate study regulations for those who wish to take the course.
	臨床生理學與病理學總論	General Review on Clinical Physiology and Pathology	129 4 th	下 2 nd	1	1	0	0	實務型課程(選本學程的學生選修) Practical courses (optional for students choosing this course)
	臨床血液學與血庫學總論	General Review on Clinical Hematology and Blood Banking	四 4 th	下 2 nd	1	1	0	0	實務型課程(選本學程的學生選 修) Practical courses (optional for students choosing this course)
	醫學分子檢驗學與臨床鏡檢學總論	General Review on Molecular Diagnosis and Clinical Microscopy Practice	四 4 th	下 2 nd	1	1	0	0	實務型課程(選本學程的學生選修) Practical courses (optional for students choosing this course)
	臨床微生物學總論	General Review on Clinical Microbiology	129 4 th	下 2 nd	1	I	0	0	實務型課程(選本學程的學生選修) Practical courses (optional for students choosing this course)
	臨床生化學總論	General Review on Clinical Biochemistry	129 4 th	下 2 nd	1	1	0	0	實務型課程(選本學程的學生選修) Practical courses (optional for students choosing this course)
	臨床血清免疫學與臨床病毒學總論	General Review on Clinical Serology & Immunology and Virology	四 4 th	下2 nd	1	1	0	0	實務型課程(選本學程的學生選修) Practical courses (optional for students choosing this course)

備註:

- (1)本課程規劃表適用於申請並核准通過後,自113學年度起實施之雙主修學生。(含113學年度起開始修讀之學生)
- (2)學生應修畢 106 學分需修習院核心課程、本系系核心課程及選修一個本系臨床醫檢學程始能畢業。
- (3)本系學生修課規定,請參閱亞洲大學醫學檢驗暨生物技術學系雙主修修業規定。
- (4)全校跨領域學程網頁介紹,請參考 http://web.asia.edu.tw/files/13-1000-19862.php?Lang=zh-tw。 Remarks:
- (1)This curriculum plan applies to students of the Double Major program whose applications have been approved and will take effect starting from the 2024 academic year.
- (2) Students should complete 106 credits of general courses. They must take the school's compulsory courses, core courses of the college, core courses of the department, and one elective "clinical medical laboratory science".
- (3)For the course regulations for students in this department, please refer to the Double Major Program regulations of the Department of Medical Laboratory Science and Biotechnology, Asia University.
- (4) For an introduction to the Interdisciplinary Course Program webpage, please refer to http://web.asia.edu.tw/files/13-1000-19862.php?Lang=zh-tw

系所主管簽章:

醫學檢驗壁陳世順

學院院長簽章:



